Index of Claims

| App | lication | /Control | No. |
|-----|----------|----------|-----|
|-----|----------|----------|-----|

09/482,154

Examiner

Nga B. Nguyen

Date

| Applicant(s)/Patent | under |
|---------------------|-------|
| Reexamination       |       |

HALL ET AL.

Art Unit

3692

| √ | Rejected |
|---|----------|
| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

Claim

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| O | Objected |

|  |  |          | <b></b>  |          |  |  | J  |  |  | ·               |
|--|--|----------|--|----------|--|--|--|--|--|-----------------|
| Cla  | aim  | Date     |  |          |  |  |  |  |  |                 |
|  |  |          |  | Г        | Τ.   |  | Ť  | Т  | Т  | $\Box$          |
| <del>-</del>                                     | Original   | 10/15/07 |  |          | ļ  |  |  |  |  |                 |
| Final  | ].<br>[ <u>ā</u>   | 15       |  |          |  |  |  |  |  |                 |
| -  | Ō  | 유        | İ  |          | i  |  |  | 1  | l  |                 |
| -  | 1  | +        | ┢  | ⊢        | $\vdash$   | -  | $\vdash$   | -  | ┢  | $\vdash$        |
|  | 1<br>2<br>3<br>4<br>5<br>6   | +        | $\vdash$   | -        |  | 1  | <del> </del>                                     | ╁  | <u> </u>   | $\vdash$        |
|  | 3  | +        | ┢  | <u> </u> | ┢  | ╁  | $\vdash$   | ╁  | $\vdash$   | $\vdash$        |
| <b></b>  | 4  | +        |  | -        | $\vdash$   | <del> </del>                                     | $\vdash$   | H  | <del> </del>                                     | $\vdash \vdash$ |
|  | 5  | +        | _  |          | $\vdash$   | $\vdash$   | ┢  |  | ╁  | $\vdash$        |
|  | 6  | +        | _  |          |  | <del>                                     </del> | ├  | ╁  |  | $\vdash$        |
| <del>                                     </del> | 7  | +        |  | -        | $\vdash$   | $\vdash$   | $\vdash$   | ┢  | -  | Н               |
| <u> </u>   | 8  | +        |  |          |  | -  | -  | ┢  |  | $\vdash$        |
| -  | a  | +        | _  |          | $\vdash$   | ├  | ├─   | ┢  | $\vdash$   | $\vdash \vdash$ |
|  | 8<br>9<br>10   |          |  | $\vdash$ | -  | ╁  | $\vdash$   | -  | ╁  | $\vdash$        |
|  | 11   | +        | <del>                                     </del> | $\vdash$ | ╁  | $\vdash$   | $\vdash$   | ╁  | <del>                                     </del> | $\vdash$        |
|  | 11<br>12   | +        | $\vdash$   | $\vdash$ | H  | <del>                                     </del> | H  | Η-   | 1  | $\vdash$        |
|  | 13   | +        | <del>                                     </del> | $\vdash$ | -  | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash \vdash$ |
| $\vdash$   | 13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25 | +        |  | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$        |
| $\vdash$   | 15   | +        |  | $\vdash$ | <del>                                     </del> | <del>                                     </del> | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash \vdash$ |
| <b></b>  | 16   | +        | ┢─   |          | $\vdash$   | ╁╴   | ╁  | $\vdash$   | ┢╾   | Н               |
|  | 17   | +        | -  |          | -  | ╁  | $\vdash$   | ┢  | ╁  | Н               |
|  | 18   | +        | $\vdash$   |          | <del> </del>                                     | ╁  |  | ┢  | $\vdash$   | Н               |
|  | 19   |          |  | $\vdash$ | -  | ⊢  | -  | ┢  |  | Н               |
|  | 20   | +        | -  | $\vdash$ | <del> </del>                                     | <del> </del>                                     | ╁  | $\vdash$   | -  | Н               |
|  | 21   |          |  | -        | -  | ╁  | ⊢  |  | $\vdash$   | Н               |
|  | 22   | +        | -  |          | -  |  | ╁  |  | ├  | Н               |
|  | 23   | <u> </u> | $\vdash$   | $\vdash$ | -  | ╁  | ⊢  | ┢  | H  | Н               |
|  | 24   | -        |  |          | -  | ┢  | ┢╌   | ╁  | ⊢  | $\vdash$        |
|  | 25   | $\vdash$ |  | -        | $\vdash$   | <del> </del>                                     | <del>                                     </del> | _  | -  | Н               |
|  | 26   | $\vdash$ | ١  | <u> </u> | ┢  | ╁  | ┢  | _  |  | Н               |
|  | 26<br>27<br>28<br>29   | $\vdash$ | Н  | $\vdash$ | $\vdash$   |  | ┢  | -  |  | H               |
|  | 28   |          |  | $\vdash$ | -  | H  | _  | $\vdash$   |  | Н               |
|  | 29   |          | -  | _        |  | 一  | $\vdash$   | -  | _  | Н               |
|  | 30   |          | $\vdash$   | _        | $\vdash$   | $\vdash$   | $\vdash$   | -  |  | Н               |
|  | 30<br>31   | Н        |  | _        | H  | <u> </u>   | t  | <del>  -</del>                                   | $\vdash$   | $\vdash$        |
|  | 32   | $\vdash$ | $\vdash$   | _        | $\vdash$   | $\vdash$   | <del>                                     </del> | <del>                                     </del> | $\vdash$   | $\vdash$        |
|  | 33   | Ι        | $\vdash$   | $\vdash$ | <u> </u>   | t  | H  | 1  | Н  | Н               |
|  | 34   | Г        |  | _        |  | $\vdash$   | 1  | <del>                                     </del> | $\vdash$   | Н               |
|  | 35   |          |  |          |  | <del>                                     </del> | Н  | _  | $\vdash$   | H               |
|  | 36   | Г        |  |          | $\vdash$   | T  | Т  | ┢  | $\vdash$   | H               |
|  | 36<br>37   |          |  |          |  | -  | $I^-$  | Н  | <del>                                     </del> | H               |
|  | 38   |          |  |          |  | <u> </u>   | T  |  | T  | Н               |
|  | 38<br>39   |          |  |          | -  |  |  |  |  | П               |
|  | 40   | +        |  |          |  |  |  | $\vdash$   |  | П               |
|  | 41   | +        |  |          |  | 1  |  |  |  |                 |
|  | 42   | +        |  |          |  | Г  |  |  |  | П               |
|  | 43   | +        |  |          |  | T  | Г  |  |  | П               |
|  | 44   | +        |  | -        |  |  | l  | Г  |  | П               |
|  | 45   | +        |  |          |  |  |  |  |  | H               |
|  | 46   |          |  |          |  |  |  |  |  | Н               |
|  | 47   |          |  |          |  | T  |  |  |  | Н               |
|  | 48   |          | $\neg$   |          |  |  |  | $\vdash$   |  | Н               |
|  | 49   |          | $\neg$   |          |  | Т  |  |  |  | $\dashv$        |
|  | 50   |          |  |          |  |  |  |  |  | $\Box$          |
|  |  |          |  |          |  |  |  | L  |  |                 |

| i        | Final | Original   | 10/15/07     |  |  |  |  |  |              |  |  |
|----------|-------|--|--------------|--|--|--|--|--|--------------|--|--|
| H        |       | 51   | <del> </del> | -  |  | Н  | -  |  | -            |  | <del>                                     </del> |
| $\vdash$ |       | 52   | <del> </del> | ╁─   |  | ┪  | -  |  |              | -  |  |
| -        |       | 51<br>52<br>53<br>54                               | $\vdash$     | ╁  | $\vdash$   | $\vdash$   |  | _  |              | _  |  |
| $\vdash$ | _     | 54   |              | $\vdash$   | -  | <del>                                     </del> | $\vdash$   |  |              | $\vdash$   |  |
| $\vdash$ | _     | 55   | -            | ┢  | ╁  | ┢  | $\vdash$   | _  |              | $\vdash$   | <del> </del>                                     |
| $\vdash$ |       | 56   |              | ╁  | $\vdash$   | $\vdash$   | -  |  |              | $\vdash$   | -  |
| $\vdash$ |       | 57   |              | -  | ╁  | ┢  | H  | -  | $\vdash$     | ⊢  | ┢  |
| $\vdash$ |       | 58   | -            | ┢  | $\vdash$   | ⊢  | -  |  | -            | $\vdash$   | -  |
| $\vdash$ |       | 58<br>59   | Η.           | ┢  | ┢  | $\vdash$   | -  |  |              | -  |  |
| $\vdash$ |       | 60   | H            |  | ├  | -  |  | -  | -            | -  | $\vdash$   |
| $\vdash$ |       | 61   | $\vdash$     |  | <del> </del>                                     | -  | -  |  | -            | ╁  | $\vdash$   |
| $\vdash$ |       | 62   | -            | ├─   | ╁  | H  | -  |  |              | ├  |  |
| $\vdash$ |       | 61<br>62<br>63                                     | $\vdash$     | <del>                                     </del> | _  | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$     | $\vdash$   |  |
| $\vdash$ |       | 64   |              | $\vdash$   | $\vdash$   | $\vdash$   | Н  |  | <u> </u>     |  | <del> </del>                                     |
| $\vdash$ |       | 64<br>65   |              | $\vdash$   | $\vdash$   |  | Н  |  | <del> </del> | <del>                                     </del> | $\vdash$   |
| $\vdash$ |       | 66<br>67   | Т            |  |  | $\vdash$   | $\vdash$   |  | $\vdash$     | $\vdash$   | $\vdash$   |
|          |       | 67   | -            |  |  |  | -  |  |              | <del> </del>                                     |  |
| $\vdash$ |       | 68   | <u> </u>     |  | _  |  | <del>                                     </del> | $\vdash$   |              |  | T  |
| $\vdash$ |       | 69   | $\vdash$     | <del>                                     </del> | _  |  | $\vdash$   | <del> </del>                                     |              | $\vdash$   | _  |
| H        |       | 70   |              |  | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$     |  |  |
| $\vdash$ | _     | 71   | <u> </u>     |  | 1  |  | $\vdash$   |  |              | -  | $\vdash$   |
| $\vdash$ |       | 72   |              |  | $\vdash$   | -  | $\vdash$   | $\vdash$   |              |  |  |
| $\vdash$ | -     | 73   | 一            |  | $\vdash$   | <u> </u>   |  | $\vdash$   |              |  |  |
| 卜        |       | 69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77 |              |  | <del>                                     </del> |  |  |  |              | _  | Н  |
|          |       | 75   |              |  |  | Г  |  |  |              |  |  |
| Г        |       | 76   |              |  |  |  |  |  |              |  |  |
| Г        |       | 77   |              |  | П  |  |  |  |              |  |  |
|          |       | 78<br>79   |              |  |  |  |  |  |              |  |  |
| L        |       | 79   |              |  |  |  |  |  |              |  |  |
|          |       | 80   |              |  |  |  |  |  |              |  |  |
| L        |       | 81<br>82   |              |  |  |  | Ì  |  |              |  |  |
| L        |       | 82   |              |  |  |  |  |  |              |  |  |
| L        |       | 83   |              |  |  |  |  |  |              |  |  |
|          |       | 84   | _            | <u> </u>   |  | <u> </u>   |  | oxdot  | <u> </u>     |  |  |
| L        |       | 85   | <u> </u>     | <u> </u>   | L  |  | L  | _  | <u> </u>     | _  |  |
| L        |       | 86<br>87   | <u> </u>     | <u> </u>   | <u>L</u>   | Ц.   | <u> </u>   | Ш  | _            | _  |  |
| L        | _     | 87   | +            | <u> </u>   | <u> </u>   | Щ.   | L  | Щ  |              |  |  |
| L        |       | 88   | +            |  |  |  |  |  |              | _  | L  |
| -        |       | 89   | +            | <u> </u>   | <u> </u>   | L.   | Ь.,  | _  | <u> </u>     | Ш  |  |
| $\vdash$ |       | 90   | +            | <u> </u>   | $\vdash$   | <u> </u>   | L  |  |              | Ш  | <u> </u>   |
| -        |       | 91   | +            | _  | _  | -  | _  |  |              | <u> </u>   | _  |
| $\vdash$ |       | 92   | +            | <u> </u>   |  | $\vdash$   | <u> </u>   |  | <u> </u>     | <u> </u>   |  |
| $\vdash$ |       | 93   | +            |  | $\vdash$   |  | $\vdash$   |  |              | <u> </u>   |  |
| $\vdash$ |       | 94<br>95   |              | $\vdash$   | $\vdash$   |  | $\vdash$   |  |              | <u> </u>   |  |
| $\vdash$ | -     | 96   | + +          |  | -  |  | -  |  |              |  |  |
| $\vdash$ |       | 97   | +            |  | $\vdash$   | _  | Н  | -  |              | _  |  |
| $\vdash$ | -     | 98   | +            |  | $\vdash$   | -  | $\vdash$   | -  |              |  |  |
| $\vdash$ |       | 99   | +            | -  | $\vdash$   |  | $\vdash$   |  |              | -  | $\vdash$   |
| H        |       | 100  | +            |  | -  | -  |  |  |              |  |  |
| _        |       |  | L            |  |  |  |  |  |              |  |  |

| Cla   | aim   | Date   |  |  |  |          |  |  |  |                 |
|-------|---|--|--|--|--|----------|--|--|--|-----------------|
|       |   |  |  |  |  | Ė        | İ  |  |  |                 |
| ᡖ     | Original  | 10/15/07   |  |  |  |          |  |  |  | ll              |
| Final | <u>:</u>  | 15   |  |  |  | 1        |  |  |  |                 |
| ш.    | ŏ   | 5  |  |  |  |          |  |  | l  |                 |
|       |   | <u> </u>   |  |  | <u> </u>   | _        | ļ  | _  | _  | Ш               |
|       | 101<br>102<br>103   | Ŀ  |  | ļ  | <u> </u>   | <u> </u> | _  | _  | <u>_</u>   |                 |
|       | 102   | ÷  |  | _  | <u>_</u>   | <u> </u> | ļ  | <u> </u>   | _  | Ш               |
|       | 103   | +  |  | <u> </u>   | _  |          | _  | _  |  |                 |
|       | 104   |  |  |  |  |          |  |  |  |                 |
|       | 105   |  |  |  |  |          |  |  |  |                 |
|       | 106   |  |  |  |  |          | <u>L</u> .                                       |  |  |                 |
|       | 107   |  |  |  |  |          |  |  |  |                 |
|       | 104<br>105<br>106<br>107<br>108   |  |  |  |  |          |  |  |  |                 |
|       | 109   |  |  |  |  |          |  |  | П  |                 |
|       | 110   |  |  |  |  |          | Г  |  | П  |                 |
|       | 111   |  |  |  |  |          |  |  |  |                 |
|       | 112   |  |  | ļ —  |  |          | Г  | Γ  | Г  | П               |
|       | 113   | · ·  |  |  |  | Г        | Т  |  |  | П               |
|       | 114   |  |  | $\vdash$   | T  | $\vdash$ | I  |  | <u> </u>   | П               |
|       | 115   |  | <del>                                     </del> | $\vdash$   | T  | T        |  |  |  | Н               |
|       | 110<br>111<br>112<br>113<br>114<br>115<br>116<br>117<br>118<br>119                      | <del>                                     </del> | -  | <del>                                     </del> | Η-   |          |  | $\vdash$   | <del>                                     </del> | Н               |
|       | 117   | ┢  | -  | $\vdash$   | $\vdash$   | <u> </u> | <del> </del>                                     | $\vdash$   | $\vdash$   | Н               |
|       | 118   | $\vdash$   | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | $\vdash$ | -  | -  | $\vdash$   | $\vdash \vdash$ |
|       | 110   |  |  | $\vdash$   | -  |          | -  | ⊢  | ┢  | Н               |
|       | 120   | <u> </u>   |  | ├  | ⊢  | ⊢        | $\vdash$   | ⊢  |  | $\vdash$        |
|       | 120   | _  |  | _  |  | H        | -  |  | ⊢  |                 |
|       | 121   | ┡  | _  | <u> </u>   |  | _        | <u> </u>   | <del> </del>                                     |  | -               |
|       | 122   | <u> </u>   |  |  | _  | ┞        | _  | <u> </u>   |  |                 |
|       | 123   |  |  |  |  | _        | <u> </u>   | L  | _  | Ш               |
|       | 124   |  |  |  | <u> </u>   |          |  | _  |  |                 |
|       | 125   | -  | _  | L.   | _  | L        |  | <u> </u>   | _  |                 |
|       | 126   |  |  |  |  |          |  | 匚  |  |                 |
|       | 127   |  |  |  |  | _        |  |  | L  | Ш               |
|       | 128   |  |  |  |  | _        | L  |  | L  |                 |
|       | 129   |  |  |  |  |          |  | <u>_</u>   |  |                 |
|       | 130   |  |  |  |  |          |  |  |  |                 |
|       | 131   |  |  |  |  |          |  |  |  |                 |
|       | 132   |  |  |  |  |          |  |  |  |                 |
|       | 133   |  |  | ·  |  |          |  |  | Γ  | П               |
|       | 121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133 |  |  |  |  | Г        | Г  |  |  | П               |
|       | 135<br>136  |  |  |  | Г  |          |  |  | Π  | П               |
|       | 136   | -  |  |  | Ι  |          |  |  | 1  | П               |
|       | 137   |  |  |  |  | Г        | Ī  | İ  |  | П               |
|       | 138<br>139  |  |  | Г  |  | $\vdash$ |  |  | <b>—</b>   | М               |
|       | 139   |  |  |  |  | _        | $\vdash$   |  |  | М               |
|       | 140   | $\Box$   |  |  |  | $\vdash$ |  | <del>                                     </del> | $\vdash$   | H               |
|       | 141   | П  | -  |  |  | <b>-</b> | $\vdash$   | <del>                                     </del> |  | Н               |
|       | 142   |  |  |  |  |          |  | $\vdash$   |  | Н               |
|       | 143   | Н  |  | -  |  | H        | <del>                                     </del> | $\vdash$   | $\vdash$   | $\vdash$        |
|       | 144   | H  | $\vdash$   |  |  | Н        | $\vdash$   | $\vdash$   | $\vdash$   | H               |
|       | 145   | $\vdash$   | $\vdash$   | -  |  | H        | -  | $\vdash$   | <del> </del>                                     | $\vdash$        |
|       | 146   | $\dashv$   | $\vdash$   |  | -  | -        | -  | -  | -  | <del> </del>    |
|       | 147   | $\dashv$   | -  |  | -  | $\vdash$ | -  | $\vdash$   | -  | $\vdash$        |
|       |   | $\vdash$   | Ш  |  |  |          | L  | <u> </u>   | <u> </u>   | $\vdash$        |
|       | 148   | -  | _  |  | _  | <u> </u> |  | <u> </u>   | H  | Н               |
|       | 149   | $\square$  |  | L_,  |  | _        | L.   | Щ  | $\sqcup$   | Ш               |
|       | 150   |  |  |  |  |          | لــــا   |  | L  | Ш               |